



[4910-13-P]

**DEPARTMENT OF TRANSPORTATION**

**Federal Aviation Administration**

**14 CFR Part 39**

**[Docket No. FAA-2016-3983; Directorate Identifier 2015-NM-009-AD; Amendment 39-18582; AD 2016-14-01]**

**RIN 2120-AA64**

**Airworthiness Directives; Airbus Airplanes**

**AGENCY:** Federal Aviation Administration (FAA), DOT.

**ACTION:** Final rule; correction.

**SUMMARY:** The FAA is correcting an airworthiness directive (AD) that published in the Federal Register. That AD applies to certain Airbus Model A330-200 Freighter series airplanes; Model A330-200 and A330-300 series airplanes; Model A340-200 and A340-300 series airplanes; Model A340-500 series airplanes; and Model A340-600 series airplanes. Table 1 to paragraph (j) of the regulatory text contains typographical errors regarding certain part numbers (P/Ns). This document corrects those errors. In all other respects, the original document remains the same.

**DATES:** This final rule is effective August 16, 2016.

The Director of the Federal Register approved the incorporation by reference of certain publications listed in this AD as of August 16, 2016 (81 FR 44983, July 12, 2016).

**ADDRESSES:** For Airbus service information identified in this final rule, contact Airbus SAS, Airworthiness Office – EAL, 1 Rond Point Maurice Bellonte, 31707 Blagnac

Cedex, France; telephone +33 5 61 93 36 96; fax +33 5 61 93 45 80; email  
airworthiness.A330-A340@airbus.com; Internet <http://www.airbus.com>.

For Hamilton Sundstrand service information identified in this final rule, contact  
Hamilton Sundstrand, Technical Publications, Mail Stop 302-9, 4747 Harrison Avenue,  
P.O. Box 7002, Rockford, IL 61125-7002; telephone 860-654-3575; fax 860-998-4564;  
email [tech.solutions@hs.utc.com](mailto:tech.solutions@hs.utc.com); Internet <http://www.hamiltonsundstrand.com>.

You may view this referenced service information at the FAA, Transport Airplane  
Directorate, 1601 Lind Avenue SW., Renton, WA. For information on the availability of  
this material at the FAA, call 425-227-1221. It is also available on the Internet at  
<http://www.regulations.gov> by searching for and locating Docket No. FAA-2016-3983.

#### **Examining the AD Docket**

You may examine the AD docket on the Internet at <http://www.regulations.gov>;  
or in person at the Docket Management Facility between 9 a.m. and 5 p.m., Monday  
through Friday, except Federal holidays. The AD docket contains this AD, the regulatory  
evaluation, any comments received, and other information. The address for the Docket  
Office (phone: 800-647-5527) is Docket Management Facility, U.S. Department of  
Transportation, Docket Operations, M-30, West Building Ground Floor, Room W12-140,  
1200 New Jersey Avenue SE., Washington, DC 20590.

**FOR FURTHER INFORMATION CONTACT:** Vladimir Ulyanov, Aerospace  
Engineer, International Branch, ANM-116, Transport Airplane Directorate, FAA, 1601  
Lind Avenue SW., Renton, WA 98057-3356; telephone 425-227-1138;  
fax 425-227-1149.

**SUPPLEMENTARY INFORMATION:** Airworthiness Directive 2016-14-01, Amendment 39-18582 (81 FR 44983, July 12, 2016) (“AD 2016-14-01”), currently requires identification of the manufacturer, part number, and serial number of the ram air turbine (RAT), and re-identification and modification of the RAT if necessary, for certain Airbus Model A330-200 Freighter series airplanes; Model A330-200 and A330-300 series airplanes; Model A340-200 and A340-300 series airplanes; Model A340-500 series airplanes; and Model A340-600 series airplanes.

#### **Need for the Correction**

As published, table 1 to paragraph (j) of the regulatory text contains typographical errors in two part numbers. Table 1 to paragraph (j) of the AD incorrectly refers to RAT P/Ns 1720934C and 1720934D. Those part numbers should have been 1702934C and 1702934D.

#### **Related Service Information under 1 CFR part 51**

Airbus has issued the following service information, which describes procedures for identifying the supplier, part number, and serial number of the installed RAT actuator; modifying the RAT; and re-identifying the RAT actuator and RAT.

- Service Bulletin A330-29-3126, dated June 12, 2014.
- Service Bulletin A340-29-4097, dated June 12, 2014.
- Service Bulletin A340-29-5025, dated June 16, 2014.

Hamilton Sundstrand has issued Service Bulletins ERPS06M-29-21, Revision 1, dated April 14, 2015; and ERPS33T-29-7, dated June 6, 2014. This service information describes procedures for identifying the affected RAT actuator and RAT part numbers

and serial numbers, modifying affected actuators, and re-identifying affected RAT actuators and RATs.

This service information is reasonably available because the interested parties have access to it through their normal course of business or by the means identified in the ADDRESSES section.

### **Correction of Publication**

This document corrects an error and correctly adds the AD as an amendment to 14 CFR 39.13. Although no other part of the preamble or regulatory information has been corrected, we are publishing the entire rule in the Federal Register.

The effective date of this AD remains August 16, 2016.

Since this action only corrects typographical errors, it has no adverse economic impact and imposes no additional burden on any person. Therefore, we have determined that notice and public procedures are unnecessary.

### **List of Subjects in 14 CFR Part 39**

Air transportation, Aircraft, Aviation safety, Incorporation by reference, Safety.

### **Adoption of the Correction**

Accordingly, pursuant to the authority delegated to me by the Administrator, the Federal Aviation Administration amends part 39 of the Federal Aviation Regulations (14 CFR part 39) as follows:

### **PART 39 - AIRWORTHINESS DIRECTIVES**

1. The authority citation for part 39 continues to read as follows:

Authority: 49 U.S.C. 106(g), 40113, 44701.

### **§ 39.13 [Corrected]**

2. The FAA amends § 39.13 by adding the following new airworthiness directive (AD):

**2016-14-01 Airbus:** Amendment 39-18582; Docket No. FAA-2016-3983; Directorate Identifier 2015-NM-009-AD.

#### **(a) Effective Date**

This AD becomes effective on August 16, 2016.

#### **(b) Affected ADs**

This AD affects the ADs specified in paragraphs (b)(1), (b)(2), and (b)(3) of this AD.

(1) AD 2012-21-19, Amendment 39-17235 (77 FR 65812, October 31, 2012) (“AD 2012-21-19”).

(2) AD 2012-21-20, Amendment 39-17236 (77 FR 65799, October 31, 2012) (“AD 2012-21-20”).

(3) AD 2016-04-01, Amendment 39-18395 (81 FR 8134, February 18, 2016) (“AD 2016-04-01”).

#### **(c) Applicability**

This AD applies to the airplanes identified in paragraphs (c)(1) through (c)(7) of this AD, certificated in any category.

(1) Airbus Model A330-223F and -243F airplanes, all manufacturer serial numbers; except those on which Airbus Modification 204067 has been embodied in production.

(2) Airbus Model A330-201, -202, -203, -223, and -243 airplanes, all manufacturer serial numbers; except those on which Airbus Modification 204067 has been embodied in production.

(3) Airbus Model A330-301, -302, -303, -321, -322, -323, -341, -342, and -343 airplanes, all manufacturer serial numbers; except those on which Airbus Modification 204067 has been embodied in production.

(4) Airbus Model A340-211, -212, and -213, airplanes, all manufacturer serial numbers.

(5) Airbus Model A340-311, -312, and -313 airplanes, all manufacturer serial numbers.

(6) Airbus Model A340-541 airplanes, all manufacturer serial numbers.

(7) Airbus Model A340-642 airplanes, all manufacturer serial numbers.

**(d) Subject**

Air Transport Association (ATA) of America Code 29, Hydraulic Power.

**(e) Reason**

This AD was prompted by a report indicating that, during an operational test of a ram air turbine (RAT), the RAT did not deploy in automatic mode. We are issuing this AD to prevent non-deployment of the RAT, which, if preceded by a total engine flame-out, or during a total loss of normal electrical power generation, could result in reduced control of the airplane.

**(f) Compliance**

Comply with this AD within the compliance times specified, unless already done.

**(g) Identification and Replacement for Certain Airbus Model A330, and A340-200 and -300 Airplanes**

For Airbus Model A330-200 Freighter series airplanes, Model A330-200 and -300 series airplanes, and Model A340-200 and -300 series airplanes: Within 30 months after the effective date of this AD, identify the supplier, part number, and serial number of the installed RAT actuator, in accordance with the Accomplishment Instructions of Airbus Service Bulletin A330-29-3126, dated June 12, 2014; or Airbus Service Bulletin A340-29-4097, dated June 12, 2014; as applicable.

(1) If the supplier identified is Arkwin Industries, and the identified RAT actuator part number and serial number are listed in Hamilton Sundstrand Service Bulletin ERPS06M-29-21, Revision 1, dated April 14, 2015, and the serial number is included in table 2 of Hamilton Sundstrand Service Bulletin ERPS06M-29-21, Revision 1, dated April 14, 2015, with a description of “correctly shimmed”: Within 30 months after the effective date of this AD, re-identify the actuator and the RAT, in accordance with the Accomplishment Instructions of Airbus Service Bulletin A330-29-3126, dated June 12, 2014; or Airbus Service Bulletin A340-29-4097, dated June 12, 2014; as applicable.

(2) If the supplier identified is Arkwin Industries, and the identified actuator RAT part number and serial number are listed in Hamilton Sundstrand Service Bulletin ERPS06M-29-21, Revision 1, dated April 14, 2015, and the serial number is included in table 2 of Hamilton Sundstrand Service Bulletin ERPS06M-29-21, Revision 1, dated April 14, 2015, with a description of “incorrectly shimmed”: Within 30 months after the effective date of this AD, remove the actuator from the RAT, install a modified actuator, and re-identify the RAT, in accordance with the Accomplishment Instructions of Airbus

Service Bulletin A330-29-3126, dated June 12, 2014; or Airbus Service Bulletin A340-29-4097, dated June 12, 2014; as applicable.

(3) If the supplier identified is Arkwin Industries, and the identification plate for the RAT actuator is missing, or the part number and serial number are not listed in Hamilton Sundstrand Service Bulletin ERPS06M-29-21, Revision 1, dated April 14, 2015: Within 30 months after the effective date of this AD, remove the actuator from the RAT, install a modified actuator, and re-identify the RAT, in accordance with the Accomplishment Instructions of Airbus Service Bulletin A330-29-3126, dated June 12, 2014; or Airbus Service Bulletin A340-29-4097, dated June 12, 2014; as applicable.

**(h) Identification and Replacement for Certain Airbus Model A340-500 and -600 Airplanes**

For Airbus Model A340-500 and -600 airplanes: Within 30 months after the effective date of this AD, identify the part number and serial number of the installed RAT actuator, in accordance with the Accomplishment Instructions of Airbus Service Bulletin A340-29-5025, dated June 16, 2014.

(1) If the identified RAT actuator part number and serial number are listed in Hamilton Sundstrand Service Bulletin ERPS33T-29-7, dated June 6, 2014, and the serial number is included in table 2 of Hamilton Sundstrand Service Bulletin ERPS33T-29-7, dated June 6, 2014, with a description of “correctly shimmed”: Within 30 months after the effective date of this AD, re-identify the actuator and the RAT, in accordance with the Accomplishment Instructions of Airbus Service Bulletin A340-29-5025, dated June 16, 2014.

(2) If the identified RAT actuator part number and serial number are listed in Hamilton Sundstrand Service Bulletin ERPS33T-29-7, dated June 6, 2014, and the serial



number is included in table 2 of Hamilton Sundstrand Service Bulletin ERPS33T-29-7, dated June 6, 2014, with a description of “incorrectly shimmed”: Within 30 months after the effective date of this AD, remove the actuator from the RAT, install a modified actuator, and re-identify the RAT, in accordance with the Accomplishment Instructions of Airbus Service Bulletin A340-29-5025, dated June 16, 2014.

(3) If the identification plate for the RAT actuator is missing, or the part number and serial number are not listed in Hamilton Sundstrand Service Bulletin ERPS33T-29-7, dated June 6, 2014: Within 30 months after the effective date of this AD, remove the actuator from the RAT, install a modified actuator, and re-identify the RAT, in accordance with the Accomplishment Instructions of Airbus Service Bulletin A340-29-5025, dated June 16, 2014.

**(i) Terminating Action for Certain Requirements of Other ADs**

(1) For Airbus Model A330-200 Freighter, A330-200, and A330-300 series airplanes; and Model A340-200 and -300 series airplanes: Accomplishment of the actions required by paragraph (g)(1), (g)(2), or (g)(3) of this AD constitutes compliance with the requirements of paragraph (g)(1) of AD 2012-21-19, paragraph (g) of AD 2012-21-20, and paragraphs (g), (h), and (i) of AD 2016-04-01, for that airplane only.

(2) For Airbus Model A340-500 and -600 series airplanes: Accomplishment of the actions required by paragraphs (h)(1), (h)(2), and (h)(3) of this AD constitutes compliance with the requirements of paragraphs (h)(1) and (h)(2) of AD 2012-21-20, and paragraph (j) of 2016-04-01, for that airplane only.

**(j) Parts Installation Limitations**

As of the effective date of this AD, no person may install any RAT actuator or any RAT having a part number identified in table 1 to paragraph (j) of this AD on any airplane, unless it meets the conditions specified in paragraph (j)(1) or (j)(2) of this AD, as applicable.

**Table 1 to paragraph (j) of this AD – *Affected Part Numbers***

<b>Affected Airbus airplane models</b>	<b>RAT part number</b>	<b>RAT actuator part number</b>
Model A330-200 and -300 series airplanes	1702934C 1702934D 766351A 768084A 770379A 770952C 770952D 770952E	5912958 5915768
Model A330-200 Freighter series airplanes	1702934C 1702934D 766351A 768084A 770379A 770952C 770952D 770952E	5912958 5915768
Model A340-200 and -300 series airplanes	1702934C 1702934D 766351A 768084A 770379A 770952C 770952D 770952E	5912958 5915768
Model A340-500 and -600 series airplanes	772722H 772722J 772722L	5912536 5915769

(1) For Airbus Model A330-200 Freighter series airplanes; Model A330-200, and A330-300 series airplanes; and Model A340-200 and -300 series airplanes: The RAT actuator or RAT has a serial number listed as affected and modified in Hamilton Sundstrand Service Bulletin ERPS06M-29-21, Revision 1, dated April 14, 2015, and the RAT has been re-identified in accordance with the Accomplishment Instructions of Airbus Service Bulletin A330-29-3126, dated June 12, 2014; or Airbus Service Bulletin A340-29-4097, dated June 12, 2014.

(2) For Airbus Model A340-500 and -600 series airplanes: The RAT actuator or the RAT has a serial number listed as affected and modified in Hamilton Sundstrand Service Bulletin ERPS33T-29-7, dated June 6, 2014, and the RAT has been re-identified in accordance with the Accomplishment Instructions of Airbus Service Bulletin A340-29-5025, dated June 16, 2014.

**(k) Credit for Previous Actions**

(1) This paragraph provides credit for the RAT and RAT actuator identification specified in paragraphs (g)(1), (g)(2), and (g)(3) of this AD if that identification was performed before the effective date of this AD using Hamilton Sundstrand Service Bulletin ERPS06M-29-21, dated May 27, 2014, which is not incorporated by reference in this AD.

(2) This paragraph provides credit for the RAT or RAT actuator identification and modification specified in paragraph (j)(1) of this AD, if those actions were performed before the effective date of this AD using Hamilton Sundstrand Service Bulletin ERPS06M-29-21, dated May 27, 2014, which is not incorporated by reference in this AD.

## **(l) Other FAA AD Provisions**

The following provisions also apply to this AD:

**(1) Alternative Methods of Compliance (AMOCs):** The Manager, International Branch, ANM-116, Transport Airplane Directorate, FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19. In accordance with 14 CFR 39.19, send your request to your principal inspector or local Flight Standards District Office, as appropriate. If sending information directly to the International Branch, send it to ATTN: Vladimir Ulyanov, Aerospace Engineer, International Branch, ANM-116, Transport Airplane Directorate, FAA, 1601 Lind Avenue SW., Renton, WA 98057-3356; telephone 425-227-1138; fax 425-227-1149. Information may be emailed to: 9-ANM-116-AMOC-REQUESTS@faa.gov. Before using any approved AMOC, notify your appropriate principal inspector, or lacking a principal inspector, the manager of the local flight standards district office/certificate holding district office. The AMOC approval letter must specifically reference this AD.

**(2) Contacting the Manufacturer:** For any requirement in this AD to obtain corrective actions from a manufacturer, the action must be accomplished using a method approved by the Manager, International Branch, ANM-116, Transport Airplane Directorate, FAA; or the European Aviation Safety Agency (EASA); or Airbus's EASA Design Organization Approval (DOA). If approved by the DOA, the approval must include the DOA-authorized signature.

**(3) Required for Compliance (RC):** If any Airbus service information contains procedures or tests that are identified as RC, those procedures and tests must be done to comply with this AD; any procedures or tests that are not identified as RC are

recommended. Those procedures and tests that are not identified as RC may be deviated from using accepted methods in accordance with the operator's maintenance or inspection program without obtaining approval of an AMOC, provided the procedures and tests identified as RC can be done and the airplane can be put back in an airworthy condition. Any substitutions or changes to procedures or tests identified as RC require approval of an AMOC.

**(m) Related Information**

(1) Refer to Mandatory Continuing Airworthiness Information (MCAI) EASA Airworthiness Directive 2015-0008, dated January 15, 2015, for related information. This MCAI may be found in the AD docket on the Internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2016-3983.

(2) Service information identified in this AD that is not incorporated by reference is available at the addresses specified in paragraphs (n)(4) and (n)(5) of this AD.

**(n) Material Incorporated by Reference**

(1) The Director of the Federal Register approved the incorporation by reference (IBR) of the service information listed in this paragraph under 5 U.S.C. 552(a) and 1 CFR part 51.

(2) You must use this service information as applicable to do the actions required by this AD, unless this AD specifies otherwise.

(3) The following service information was approved for IBR on August 16, 2016 (81 FR 44983, July 12, 2016).

(i) Airbus Service Bulletin A330-29-3126, dated June 12, 2014.

(ii) Airbus Service Bulletin A340-29-4097, dated June 12, 2014.

(iii) Airbus Service Bulletin A340-29-5025, dated June 16, 2014.

(iv) Hamilton Sundstrand Service Bulletin ERPS06M-29-21, Revision 1, dated April 14, 2015.

(v) Hamilton Sundstrand Service Bulletin ERPS33T-29-7, dated June 6, 2014.

(4) For Airbus service information identified in this AD, contact Airbus SAS, Airworthiness Office – EAL, 1 Rond Point Maurice Bellonte, 31707 Blagnac Cedex, France; telephone +33 5 61 93 36 96; fax +33 5 61 93 45 80; email [airworthiness.A330-A340@airbus.com](mailto:airworthiness.A330-A340@airbus.com); Internet <http://www.airbus.com>.

(5) For Hamilton Sundstrand service information identified in this AD, contact Hamilton Sundstrand, Technical Publications, Mail Stop 302-9, 4747 Harrison Avenue, P.O. Box 7002, Rockford, IL 61125-7002; telephone 860-654-3575; fax 860-998-4564; email [tech.solutions@hs.utc.com](mailto:tech.solutions@hs.utc.com); Internet <http://www.hamiltonsundstrand.com>.

(6) You may view this service information at the FAA, Transport Airplane Directorate, 1601 Lind Avenue SW., Renton, WA. For information on the availability of this material at the FAA, call 425-227-1221.

(7) You may view this service information that is incorporated by reference at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to:

<http://www.archives.gov/federal-register/cfr/ibr-locations.html>.

Issued in Renton, Washington, on July 25, 2016.

Victor Wicklund,  
Acting Manager,  
Transport Airplane Directorate,  
Aircraft Certification Service.

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